

## SEQUENCE LISTING

<110> FARWICK, MIKE  
MOCKEL, BETTINA  
PFEFFERLE, WALTER

<120> NUCLEOTIDE SEQUENCES ENCODING THE PTSH GENE

<130> MAS/21123/278412

<140> 09/819,930

<141> 2001-03-29

<150> 09/755,187

<151> 2001-01-08

<150> DE 100 01 101.2

<151> 2000-01-13

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<170> PatentIn Ver. 2.1

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<223> ptsH wild-type gene

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ccgttcggat taacggcgta gcaacacgaa aggacacttt cc atg gct tcc aag 174  
Met Ala Ser Lys  
1

act gta acc gtc ggt tcc tcc gtt ggc ctg cac gca cgt cca gca tcc 222  
Thr Val Thr Val Gly Ser Ser Val Gly Leu His Ala Arg Pro Ala Ser  
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atc atc gct gaa gcg gct gct gag tac gac gac gaa atc ttg ctg acc 270  
Ile Ile Ala Glu Ala Ala Ala Glu Tyr Asp Asp Glu Ile Leu Leu Thr  
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ctg gtt ggc tcc gat gat gac gaa gag acc gac gcg tcc tct tcc ctc 318  
Leu Val Gly Ser Asp Asp Asp Glu Glu Thr Asp Ala Ser Ser Ser Leu  
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atg atc atg gcg ctg ggc gca gag cac ggc aac gaa gtt acc gtc acc 366  
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AI  
Cm.t

tcc gac aac gct gaa gct gtt gag aag atc gct gcg ctt atc gca cag 414  
Ser Asp Asn Ala Glu Ala Val Glu Lys Ile Ala Ala Leu Ile Ala Gln  
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Ser Ser Ser Leu Met Ile Met Ala Leu Gly Ala Glu His Gly Asn Glu  
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act gta acc gtc ggt tcc tcc gtt ggc ctg cac gca cgt cca gca tcc 222  
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5 10 15 20

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ctg gtt ggc tcc gat gat gac gaa gag acc gac gcg tcc tct tcc ctc 318  
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atg atc atg gcg ctg ggc gca gag cac ggc aac gaa gtt acc gtc acc 366  
 met ile met ala leu gly ala glu his gly asn glu val thr val thr  
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tcc gac aac gct gaa gct gtt gag aag atc gct gcg ctt atc gca cag 414  
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gac ctt gac gct gag taaacaacgc tctgcttggt aaaagctcgt tagaagcttg 469  
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Ile Leu Leu Thr Leu Val Gly Ser Asp Asp Asp Glu Glu Thr Asp Ala  
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Ser Ser Ser Leu Met Ile Met Ala Leu Gly Ala Glu His Gly Asn Glu  
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